

APPENDIX B

ACRONYMS AND ABBREVIATIONS

4DWX	Four Dimensional Weather (Army)
AASHTO	American Association of State Highway and Transportation Officials (FHWA)
ABCS	Army Battle Command System (Army)
ABL	Airborne Laser (AF)
AC	Active Component (DOD)
ACARS	ARINC Communication Addressing and Reporting System
ACE	Aviation Combat Element (USMC)
ACP	Atmospheric Chemistry Program (DOE)
ACRIMSAT	Active Cavity Radiometer Irradiance Monitor Satellite (NASA)
ADAS	AWOS/ASOS Data Acquisition System (FAA)
ADEOS	Advanced Earth Observing System (NASA)
AERONET	Aerosol Robotic Network (NASA)
AESS	Allied Environmental Support System (Navy)
AF	Air Force (USAF)
AFB	Air Force Base
AFCCC	Air Force Combat Climatology Center
AFCWC	Air Force Global Combat Weather Center
AFJI	Air Force Joint Instruction
AFRL	Air Force Research Laboratory
AFTAC	Air Force Technical Applications Center
AFW	Air Force Weather
AFWA	Air Force Weather Agency
AFWIN	Air Force Weather Information Network
AHPS	Advanced Hydrologic Prediction System (NOAA/NWS)
AGFS	Aviation Gridded Forecast System (FAA)
AIP	Airport Improvement Program (FAA)
AIRMoN	Atmospheric Integrated Research Monitoring Network (NOAA/OAR)
AIRS	Atmospheric Infrared Sounder (NASA)
AL	Aeronomy Laboratory (NOAA/ERL)
ALC	Adelphi Laboratory Center (Army)
ALDARS	Automated Lightning Detection and Reporting System (FAA)
AMC	Army Matériel Command (Army)
AMDAR	Automatic Meteorological Data and Reporting
AMIS	Automated Meteorological Information System (AF)
AMOS	Automated Meteorological Observing System (Navy)
AMSU	Advanced Microwave Sounding Unit
AMU	Applied Meteorology Unit (NASA)
ANG	Air National Guard
AOC	Aircraft Operations Center (NOAA)
AOML	Atlantic Oceanographic and Meteorological Laboratory (NOAA/ERL)
AOR	Area of Responsibility (AF)
AOT	Aerosol Optical Thickness
APT	Automatic Picture Transmission
AR	Army Regulation
ARAC	Atmospheric Release Advisory Capability (DOE)
ARCS	Atmospheric Radiation CART Sites (NOAA/OAR)
ARG	Accident Response Group (DOE)
ARGOS	French Satellite Data Collection System
ARINC	Aeronautical Radio Incorporated
ARL	Army Research Laboratory (Army)
	Air Resources Laboratory (NOAA)
ARM	Atmospheric Radiation Monitoring (DOE)
ARNG	Army National Guard

ARO	Army Research Office
ARS	Agricultural Research Service (USDA)
	Air Traffic System Requirements Service (FAA)
ARSR	Air Route Surveillance Radar (FAA)
ARTCC	Air Route Traffic Control Center (FAA)
ARTYMET	Artillery Meteorological (Army)
ARW	Aviation Weather Directorate (FAA)
ASD	Atmospheric Sciences Division (DOE)
ASDAR	Aircraft to Satellite Data Relay
ASNE	Air and Space Natural Environment (AF)
ASOS	Automated Surface Observing System
ASR	Airport Surveillance Radar (FAA)
ATC	Air Traffic Control (FAA)
ATCCS	Army Tactical Command and Control System
ATDD	Atmospheric Turbulence and Diffusion Division (NOAA/ARL)
ATWIS	Advanced Transportation Weather Information System (FHWA)
AVHRR	Advanced Very High Resolution Radiometer (NOAA)
AVO	Alaskan Volcano Observatory (DOI/USGS)
AWARDS	Agricultural Water Resources Decision Support (DOI/BUREC)
AWC	Aviation Weather Center (NOAA/NCEP)
AWDS	Automated Weather Distribution System (AF)
AWE	Army Warfighting Experiments
AWIPS	Advanced Weather Interactive Processing Systems (NOAA)
AWN	Automated Weather Network (AF)
AWOS	Automated Weather Observing System (FAA)
AWR	Aviation Weather Research (FAA)
AWSS	Aviation Weather Sensor System (FAA)
BASC	Board on Atmospheric Sciences and Climate
BE	Battlefield Environment (Army)
BED	Battlefield Environment Directorate (Army)
BFA	Battlefield Functional Areas (Army)
BLM	Bureau of Land Management (DOI)
BNL	Brookhaven National Laboratory (DOE)
BUFR	Binary Universal Form for the Representation of Meteorological Data
BUREC	Bureau of Reclamation (DOI)
C ²	Command and control (DOD)
C ⁴ I	Command, Control, Communications, Computer and Information (DOD)
CAAM	Computer Assisted Artillery Meteorology (Army)
CALJET	California Land-falling Jets Experiment (NOAA/OAR)
CAMEX	Convective and Moisture Experiment (NASA)
CAP	Civil Air Patrol
CAPARS	Computer-Assisted Protective Action Recommendation System (DOE)
CARDS	Comprehensive Aerological Reference Data Set (NOAA/NCDC)
CARS	Condition Acquisition and Reporting System (FHWA)
CASPER	Computer Aided System For Planning Efficient Routes (FHWA)
CAWIS	Committee for Automated Weather Information Systems (OFCM)
CBNP	Chemical Biological Non-Proliferation Program (DOE)
CBOFS	Chesapeake Bay Oceanographic Forecasting System (NOAA/NOS)
CCM3	Community Climate Model-3
CDA	Command and Data Acquisition
CDAS	Command and Data Acquisition Station
CDFS	Cloud Depiction and Forecast System (AF)
CEASE	Compact Environment Anomaly Sensor (AF)
CECOM	Communications and Electronics Command (Army)
CEMSCS	Central Environmental Satellite Computer System (NOAA/NESDIS)
CENR	Committee on Environment and Natural Resources

CEOS	Committee on Earth Observation Satellites (NOAA/NWS)
CERES	Clouds and Earth's Radiant Energy System (NASA)
CHAMMP	Computer Hardware Advanced Mathematics and Model Physics (DOE)
CIASTA	Cooperative Institute for Atmospheric Studies and Terrestrial Applications (NOAA/OAR)
CIDE	Communications Interfaces and Data Exchange (OFCM)
CINC	Commanders-in-Chief (DOD)
CIRES	Cooperative Institute for Research in Environmental Sciences (NOAA)
CMAQ	Community Multi-scale Air Quality (EPA)
CME	Coronal Mass Ejection (AF)
CMFC	Coordinating METOC Forecast Center (Navy)
COADS	Comprehensive Ocean-Atmosphere Data Set (NOAA/NCDC)
COAMPS	Coupled Oceanographic and Atmospheric Model (Navy)
COARE	Coupled Ocean-Atmosphere Response Experiment
COE	Corps of Engineers (Army)
COMET	Cooperative Program for Operational Meteorology, Education and Training
CONUS	Continental United States
COPC	Committee for Operational Processing Centers (OFCM)
CORMS	Continuous Real-time Monitoring System (NOAA/NOS)
COTS	Commercial Off-the-Shelf
CPC	Climate Prediction Center (NOAA/NCEP)
CRADA	Cooperative Research and Development Agreement
CRN	Climate Reference Network (NOAA)
CRREL	Cold Regions Research and Engineering Laboratory (Army)
CS	Climate Services (OFCM)
CSREES	Cooperative State Research, Education, and Extensive Service (USDA)
CSSM	Cloud Scene Simulation Model (AF)
CTA	Common Table of Allowances (Army)
CTBT	Comprehensive Test Ban Treaty (DOE)
CTWFC	CINC Target Weather Forecast Center (AF)
CWSU	Center Weather Service Unit (FAA)
CWT	Combat Weather Team (AF)
CY	Calendar Year
DAC	Data Assembly Center (NOAA/OAR)
DAMPS	Distributed Atmospheric Modeling Prediction System (Navy)
DCO	Data Collection Office (NOAA/NWS)
DCP	Data Collection Package
DCS	Data Collection System (NOAA/NESDIS)
DISS	Digital Ionospheric Sounding System (AF)
DMCC	DOE Meteorological Coordinating Council
DMSO	Defense Modeling and Simulation Office (AF)
DMSP	Defense Meteorological Satellite Program (AF)
DOC	Department of Commerce
DOD	Department of Defense
DOE	Department of Energy
DOI	Department of Interior
DOMSAT	Domestic Communications Satellite
DOS	Department of State
DOT	Department of Transportation
DRA	Desert Rock Meteorological Observatory (DOE)
DRGS	Direct readout ground stations (DOI)
DURIP	Defense University Research Instrumentation Program (Army)
DRWP	Doppler Radar Wind Profiler (NASA)
DTC	Developmental Test Command (Army)
DTSS	Digital Topographic Support System (Army)

DUAT	Direct User Access Terminal (FAA)
DWSW	Deployable Weather Satellite Workstation (Army)
ECDIS	Electronic Chart Display Information System (NOAA/NOS)
ECMWF	European Centre for Medium-Range Weather Forecasting
EDAS	Eta Data Assimilation System (NOAA/NESDIS)
EDIS	Environmental Data and Information Service (NOAA)
EMC	Environmental Modeling Center (NOAA/NCEP)
ENSO	El Niño-Southern Oscillation
EO	electro-optical
	Earth Observation (NASA)
EOC	Emergency Operations Center
EOS	Earth Observing System (NASA)
EOSDIS	EOS Data and Information System (NASA)
EPA	Environmental Protection Agency
EPD	Environmental Protection Division (DOE)
E-PIREPS	Electronic Pilot Reports (FAA)
EPSCoR	Experimental Program to Stimulate Competitive Research (DOD)
ER	Eastern Range (NASA)
ERBS	Earth Radiation Budget Satellite (NASA)
ERC	Extended Research Checkout
ERDAS	Eastern Range Dispersion Assessment System (NASA)
ERDC	Engineering Research and Development Center (Army)
ERL	Environmental Research Laboratories (NOAA)
ESD/IPC	Environmental Satellite Distribution/Interactive Processing Center (NOAA/NESDIS)
ESE	Earth Science Enterprise (NASA)
ESS	Environmental Sensor Station (FHWA)
ESIP	Earth Science Information Partners (NASA)
ESSP	Earth System Science Pathfinders (NASA)
ETL	Environmental Technology Laboratory (NOAA/ERL)
ETTP	East Tennessee Technology Park (DOE)
ETM+	Enhanced Thematic Mapper Plus (NASA)
EUMETSAT	European Organization for the Exploitation of Meteorological Satellites
EUSA	Eighth U.S. Army
EUV	Extreme Ultraviolet
FAA	Federal Aviation Administration
FALOP	Forward Areal Limited Observing Program (AF)
FAS	Foreign Agricultural Service (USDA)
FCCC	Framework Convention on Climate Change (DOS)
FCMSSR	Federal Committee for Meteorological Services and Supporting Research
FDD	First Digitized Division (Army)
FEMA	Federal Emergency Management Agency
FHWA	Federal Highway Administration
FIRESTORM	Federation of Intelligence, Reconnaissance, Surveillance, and Targeting Operations and Research Models (Army)
FIRETEC	Fire Behavior Model (DOE)
FLENUMMETOCCEN	Fleet Meteorology and Oceanography Center, Monterey, California
FMF	Fleet Marine Force
FMH	Federal Meteorological Handbook (OFCM)
FNMOC	Fleet Numerical Meteorology and Oceanography Center (Navy)
FOA	Field operating agency (AF)
FOC	Future Operational Capability (Army)
FORSCOM	U.S. Army Forces Command
FOSDIC	Film Optical Sensing Device for Input to Computer
FOV	Field of vision
FRD	Field Research Division (NOAA/ARL)

FRERP	Federal Radiological Emergency Response Plan (DOE)
FRMAC	Federal Radiological Monitoring and Assessment Center (DOE)
FRRS	Federal Records Retention System
FS-21	Forecasting System 21 st Century
FS	Forest Service (USDA)
FSA	Farm Services Agency (USDA)
FSL	Forecast Systems Laboratory (NOAA/ERL)
FTE	Full-time Equivalent
FTP	File Transfer Protocol
FU	Forecast Unit
FY	fiscal year
G-IV	Gulfstream IV (NOAA)
GAC	Global Area Coverage
GAPP	GEWEX Applications Prediction Program (DOI/BUREC)
GAO	General Accounting Office
GCCR	Global Climate Change Research (DOE)
GCCS	Global Command and Control System (DOD)
GCIP	GEWEX Continental-scale International Project (DOI)
GCM	Global Climate Models (DOE)
GCOS	Global Climate Observing System (WWP)
GCPS	Global Climate Perspectives System
GCRP	Global Change Research Program
GEOSAR	Geostationary Earth Orbit Search and Rescue (NOAA/NESDIS)
GEWEX	Global Energy and Water-Balance Experiment
GFDL	Geophysical Fluid Dynamics Laboratory (NOAA/ERL)
GHCN	Global Historical Climatology Network
G-IPPA	Government-Industry Project Performance Agreement (FAA)
GIN	Geomagnetic Information Nodes (DOI)
GIS	Geographic Information System
GLD	Global Lagrangian Drifters (NOAA/OAR)
GLONASS	Global Navigation Satellite System (NOAA/NESDIS)
GMS	Geostationary Meteorological Satellite (Japan)
GMSRA	GOES Multi-Spectral Rainfall Algorithms (NESDIS)
GOES	Geostationary Operational Environmental Satellite (NOAA)
GOOS	Global Ocean Observing System
GOS	Global Observing System (WWP)
GOSSP	Global Observing Systems Space Panel
GPCP	Global Precipitation Climatology Program
GPS	Global Positioning System
GPS/MET	GPS for Meteorology
GRACE	Gravity Recovery and Climate Experiment (NASA)
GRIB	Gridded Binary (FM 92-X Ext.)
GSFC	Goddard Space Flight Center (NASA)
GSN	GCOS Surface Network (WWP)
GTS	Global Telecommunications System (WWP)
GTSP	Global Temperature-Salinity Pilot Project
GTWAPS	Global Theater Weather Analysis and Prediction System (AF)
GUAN	GCOS Upper Air Network (WWP)
HaL	Hurricanes at Landfall (NOAA.OAR)
HCRS	Highway Closure and Restriction System (FHWA)
HELSTF	High Energy Laser System Test Facility (Army)
HF	High frequency (AF)
HFRB	High frequency radio broadcast (DOD)
HIGRAD	High Resolution and Strong Gradient
HIRS/3	High Resolution Infrared Radiation Sounder (NOAA/NESDIS)

HMSC	Hazardous Materials Spill Center (DOE)
HMMWV	High Mobility Multi-purpose Wheeled Vehicle (Army)
HPC	Hydrometeorological Prediction Center (NOAA/NCEP)
HPCC	High Performance Computing and Communications
HRD	Hurricane Research Division (NOAA/ERL)
HRPT	High Resolution Picture Transmission (NOAA/NESDIS)
HUD	Head-up display (NASA)
IAMS	Initial Attack Management System (DOI)
ICAO	International Civil Aviation Organization
ICMSSR	Interdepartmental Committee for Meteorological Services and Supporting Research
ICSU	International Council of Scientific Unions
IDCS	International Data Collection System (WWP)
IEN	Information Exchange Network (FHWA)
IEW	Intelligence and Electronic Warfare (Army)
IFFA	Interactive Flash Flood Analyzer (NOAA/NESDIS)
IGBP	International Geosphere Biosphere Programme (WWP)
IHC	Interdepartmental Hurricane Conference (OFCM)
IIP	International Ice Patrol (USCG)
IMDES	Interdepartmental Meteorological Data Exchange System
IMETS	Integrated Meteorological System (Army)
	Incident Meteorologists (NOAA/NWS)
IMEX	Inner Magnetosphere Explorer (NASA)
IMOSS	Interim Mobile Oceanography Support System (Navy)
IMS	Ionospheric Measuring System (AF)
INEEL	Idaho National Engineering and Environmental Laboratory (DOE)
INSAT	India's Indian National Satellite (WWP)
IPCC	Intergovernmental Panel on Climate Change (WWP/DOS)
IPO	Integrated Program Office
IR	infrared
IRRIS	Intelligent Road and Rail Information System (FHWA)
IRTSS	Infrared Target Scene Simulation Software (AF)
ISCCP	International Satellite Cloud Climatology Program
ISIS	Integrated Solar Irradiance Study (NOAA/OAR)
ISPM	Interplanetary Shock Propagation Models (AF)
ISOON	Improved Solar Optical Observing Network (AF)
ITCZ	Inter-tropical convergence zone
ITS	Intelligent Transportation System (FHWA)
ITS-JPO	ITS Joint Program Office FHWA)
ITWS	Integrated Terminal Weather System (FAA)
IWEDA	Integrated Weather Effects Decision Aid (Army)
IWRS	Improved Weather Reconnaissance System
IWRPC	Improved Weather Reconnaissance System Program Council
J-TRWS	Joint TESS Remote Workstation (Navy)
JAG	Joint Action Group
JASL	Joint Archive for Sea Level
JAWF	Joint Agricultural Weather Facility (USDA)
JGOFS	Joint Global Ocean Flux Study
JMTK	Joint Mapping Took Kit (Army)
JMV	Joint METOC Viewer (Navy)
JPL	Joint Propulsion Laboratory (NASA)
JSC	Johnson Space Center (NASA)
JTWC	Joint Typhoon Warning Center (AF/Navy)
KM	Kilometer
KMR	Kwajalein Missile Range (Army)

KSC	Kennedy Space Center
LAC	Local Area Coverage
LAN	local area network
LANL	Los Alamos National Library (DOE)
LAPS	Local Analysis and Prediction System (NOAA/FSL)
LLNL	Lawrence Livermore National Laboratory (DOE)
LLWAS	Low Level Wind Shear Alert System (FAA)
LLWAS-RS	LLWAS-Relocation/Sustainment (FAA)
LRGS	local readout ground stations (DOI)
MACOM	Major Army Command
MAGTF	Marine Air Ground Task Force
MAIS	Military Aircrew Information System (AF)
MAJCOM	Major Command (AF)
MB	Millibars
MC	Meteorological Codes
MDCRS	Meteorological Data Communications and Reporting System (WWP)
MDS	Meteorological Distribution System (Army)
MEPED	Medium Energy Proton and Electron Detector (NOAA/NESDIS)
MES	Marine Environmental Services (OFCM)
MET	Mobile Environmental Teams (Navy)
	Meteorological Teams (Army)
METMF(R)	Meteorological Mobile Facility (Replacement) (Navy)
METOC	Meteorological and Oceanographic (DOD)
MIMS	Multimedia Integrated Modeling System (EPA)
MISR	Multi-Angle Imaging Spectrometer (NASA)
MIST	Meteorological Information Standard Terminal (AF)
MM5	Mesoscale Meteorological Model-Version 5.0 (AF)
MME	Mobile Meteorological Equipment (OFCM)
MMS	Meteorological Measuring System (Army)
	Mineral Management Service (DOI)
MMS-P	Meteorological Measuring System-Profiler (Army)
MOA	Memorandum of Agreement
MOBY	Marine Optical Buoy (NOAA/NESDIS)
MOCE	Marine Optical Characterization Experiment (NOAA/NESDIA)
MODIS	Moderate Resolution Imaging Spectrometer (NASA)
MOS	Manual Observing System (AF)
MPC	Marine Prediction Center (NOAA/NCEP)
MS	Monitoring the Stratosphere (OFCM)
MSCP	Meteorological and Climate Services Project (DOE)
MSEA	Modeling and Simulation Executive Agent (AF)
MSFC	Marshall Space Flight Center (NASA)
MSL	Mean sea level
MSM	Magnetospheric Specification Model (AF)
MST	Meteorological Support Teams (USMC)
MSU	Microwave Sounding Unit (NOAA/NESDIS)
MTN	Main Telecommunications Network (WWP)
MTPE	Mission to Planet Earth (NASA)
MWSS	Marine Wing Support Squadron
NADIN	National Airspace Data Interchange Network (FAA)
NAMIS	NATO Automated Meteorological Information System (AF)
NAPP	National Aerial Photography Program (USDA)
NAOS	North American Atmospheric Observing System (NOAA)
NARAC	National Atmospheric Release Advisory Center (DOE)
NARSTO	North American Research Strategy on Tropospheric Ozone (EPA)

NAS	National Airspace System (FAA)
	National Academy of Sciences
NASA	National Aeronautics and Space Administration
NASS	National Agricultural Statistics Service (USDA)
NATCOM	National Communications Center (FAA)
NAVICECEN	Naval Ice Center
NAVOCEANO	Naval Oceanographic Office
NAVLANTMETOCCEN	Naval Atlantic Meteorology and Oceanography Center, Norfolk, Virginia
NAVMETOCCOM	Naval Meteorology and Oceanography Command
NAVPACMETOCCEN	Naval Pacific Meteorology and Oceanography Center, Pearl Harbor, Hawaii
NAWPC	National Aviation Weather Program Council (OFCM)
NBC	Nuclear, Biological, and Chemical (DOD)
NC	NOAA Corps Operations
NCAR	National Center for Atmospheric Research
NCDC	National Climatic Data Center (NOAA/NESDIS)
NCEP	National Center for Environmental Prediction (NOAA/NWS)
NCO	NCEP Central Operations (NOAA/NCEP)
	Non-commissioned officer (DOD)
NDBC	National Data Buoy Center (NOAA/NWS)
NDI	non-developmental item
NDOP	National Digital Orthoquad Program (USDA)
NDRI	Natural Disaster Reduction Initiative (NOAA)
NESDIS	National Environmental Satellite, Data, and Information Service (NOAA)
NESHAP	<i>National Emission Standards for Hazardous Air Pollutants</i> (DOE)
NESS	National Environmental Satellite Service (NOAA)
NEST	Nuclear Emergency Search Team (DOE)
NEXRAD	Next Generation Weather Radar (WSR-88D)
NFIP	National Flood Insurance Program (FEMA)
NFDRS	National Fire Danger Rating System (DOI/BLM)
NGDC	National Geophysical Data Center (NOAA/NESDIS)
NGIC	National Geomagnetic Information Center (DOI)
NGRVR	New Generation Runway Visual Range (FAA)
NHC	National Hurricane Center (NOAA/NWS)
NHOP	National Hurricane Operations Plan (OFCM)
NIC	National Ice Center (DOT/USCG)
NIFC	National Interagency Fire Center (DOI)
NIPRNET	Non-secure Internet Protocol Network (AF)
NIST	National Institute of Standards and Technology (DOC)
NITES	Naval Integrated Tactical Environmental Subsystem
NLDN	National Lightning Detection Network (FAA)
NMC	National Meteorological Center(s) (WWP)
NMOC	Naval Meteorology and Oceanography Command
NMP	New Mellenium Program (NASA)
NMTN	National Telecommunications Network (WWP)
NNDC	NOAA National Data Center (NOAA/NESDIS)
NOAA	National Oceanic and Atmospheric Administration
NODC	National Oceanographic Data Center (NOAA/NESDIS)
NODDS	Naval Oceanographic Data Distribution System
NOGAPS	Navy Operational Global Atmospheric Prediction System
NOS	National Ocean Service (NOAA)
NOTAMS	Notices to Airman (FAA)
NOWS	NVG Operations Weather Software (AF)
NPN	NOAA Profiler Network
NPOESS	National Polar-orbiting Operational Environmental Satellite System
NPP	NPOESS Preparatory Program (NASA)
NPS	National Park Service (DOI)

NRC	Nuclear Regulatory Commission
NRCS	Natural Resources Conservation Service (USDA)
NRL	Naval Research Laboratory
NRO	National Reconnaissance Office (AF)
NSCAT	NASA Scatterometer (NASA)
NSF	National Science Foundation
NSIDC	National Snow and Ice Data Center (NOAA)
NSSL	National Severe Storms Laboratory (NOAA)
NSTC	National Science and Technology Council
NSWP	National Space Weather Program (OFCM)
N-TFS	New Tactical Forecast System (AF)
NTS	Nevada Test Site (DOE)
NTSB	National Transportation Safety Board
NV	Nevada Operations Office (DOE)
NVG	night vision goggle (DOD)
NWLON	National Water-Level Observation Network (NOAA/NOS)
NWP	Numerical Weather Prediction
NWS	National Weather Service
OAR	Office of Oceanic and Atmospheric Research (NOAA)
OASIS	Operational and Supportability Implementation System (FAA)
OCAP	Operating Consortium of ASDAR Participants (WWP)
ODCSINT	Office of the Deputy Chief of Staff for Intelligence (Army)
ODCSOPS	Office of the Deputy Chief of Staff for Operations (Army)
OES	Office of Earth Sciences (NASA)
OFCM	Office of the Federal Coordinator for Meteorology
OGP	Office of Global Programs (NOAA)
OMB	Office of Management and Budget
ONR	Office of Naval Research
OPAREA	Fleet Operational Area (Navy)
OPARS	Optimum Path Aircraft Routing System (Navy)
OPS-II	Operational Weather Squadron Production System, Phase 2
OP-SEND	Operationalized Space Environment Network Display (AF)
OR&F	Operations, Research, and Facilities (NOAA/NWS)
ORA	Office of Research and Applications (NOAA/NESDIS)
ORAU	Oak Ridge Associated Universities (DOE)
ORD	Operational Requirements Documents (Navy)
ORISE	Oak Ridge Institute for Science and Education (DOE)
ORR	Oak Ridge Reservation (DOE)
ORNL	Oak Ridge National Laboratory (DOE)
ORO	Oak Ridge Operations (DOE)
OS-21	Observing System-21 st Century (AF)
OSDPD	Office of Satellite Data Processing and Distribution (NOAA/NESDIS)
OSEI	Operational Significant Event Imagery (NOAA/NESDIS)
OSF	Operational Support Facility (NOAA)
OSO	Office of Satellite Operations (NOAA/NESDIS)
OSTEP	Ocean Systems Test and Evaluation Program (NOAA/NOS)
OSTP	Office of Science and Technology Policy
OTH	Over the horizon (NOAA/OAR)
OTW	Owning the Weather (Army)
OTSR	Optimum Track Ship Routing (Navy)
OWS	Operational Weather Squadron (AF)
OWSE	Operational World Weather Watch Systems Evaluation (WWP)
PAC	Procurement, Acquisition, and Construction (NOAA/NWS)
PACS	Polar Acquisition and Control Subsystem (NOAA/NESDIS)
PASOS	Portable Automated Observing System (AF)

PC	Program Council (OFCM)
PCMDI	Program for Climate Model Diagnosis and Intercomparison (DOE)
PD	Project Director (Army)
PECAD	Production Estimates and Corp Assessment Division (USDA)
PIBAL	Pilot Balloon
PIRATA	Pilot Research Moored Array in the Tropical Atlantic (NOAA/OAR)
PIREP	Pilot Report
PMEL	Pacific Marine Environmental Laboratory (NOAA/ERL)
PNNL	Pacific Northwest National Laboratories (DOE)
POES	Polar-Orbiting Operational Environmental Satellite (NOAA)
POP	Parallel Ocean Program (DOE)
POPS	Primary Oceanographic Prediction System (Navy)
PORTS	Physical Oceanographic Real-Time System (NOAA/NOS)
PRISM	Parameterized Real-time Ionospheric and Specification Model (AF)
PSDA	Post-Storm Data Acquisition (OFCM)
PSR	Polarimetric Scanning Radiometer (NOAA/OAR)
PUP	Principal User Processor
QPF	Quantitative Precipitation Forecast (NOAA/NCEP)
R&D	Research and Development
RAFC	Regional Area Forecast Center (WWP)
RAMS	Regional Atmospheric Modeling System
RAMSDIS	RAMM Branch Advanced Meteorological Satellite Demonstration and Interpretation System (NOAA/NESDIS)
RAP	Radiological Assistance Program (DOE)
RARC	Regional Atmospheric Response Center (DOE)
RASS	Radio Acoustic Sounding System (NOAA/OAR)
RAWS	Remote Automatic Weather Station (USDA/DOI)
RC	Reserve Component (DOD)
RDTE	Research and Development, Test and Evaluation (Army)
REEPER	Relativistic Electorn and Energetic Proton Experiment (AF)
RFETS	Rocky Flats Environmental Technology Site (DOE)
RFC	River Forecast Center (NOAA/NWS)
RMTN	Regional Telecommunications Network (WWP)
RPC	Rapid Prototype Center (NOAA/SEC)
RSA	Range Standardization and Automation (NASA)
RSMC	Regional/Specialized Meteorological Centers (WWP)
RTH	Regional Telecommunications Hub (WWP)
RUC	Rapid Update Cycle (NOAA)
RVR	Runway Visual Range (FAA)
RWIS	Road Weather Information System (FHWA)
S2	Intelligence Section (Army)
SAA	Satellite Active Archive
	Snow Accumulation Algorithm (DOI/BLM)
SAR	Synthetic Aperture Radar (NOAA/NESDIS)
SARSAT	Search and Rescue Satellite Aided Tracking
SBIR	Small Business Innovative Research Program (DOD)
SBUV	Solar Backscatter Ultra-violet Instrument (NOAA/NESDIS)
SCINDA	Scintillation Network Decision Aid (AF)
SDHS	Satellite Data Handling System (AF)
SEC	Space Environmental Center (NOAA/NCEP)
SEM	Space Environment Monitor (NOAA)
SEMSIM	Southeastern Michigan Snow and Ice Management (FHWA)
SFMR	Stepped Frequency Microwave Radiometer
SHEBA	Surface Heat Budget of the Arctic Ocean (DOE)

SHRP	Strategic Highway Research Program (FHWA)
SMEI	Solar Mass Ejection Imager (AF)
SMDC	Space and Missile Defense Command (DOE)
SMOOS	Shipboard Meteorological and Oceanographic Observing Sensor (Navy)
SNDR	Subcommittee on Natural Disaster Reduction
SNL	Sandia National Laboratory (DOE)
SNOTEL	Snow Telemetry (USDA)
SOCC	Satellite Operations Control Center (NOAA/NESDIS)
SODAR	Sound Detection and Ranging (DOE)
SOF	Special Operations Forces (Army)
SOLAS	Safety of Life at Sea (NOAA/NCEP)
SORD	Special Operations and Research Division (NOAA/ARL)
SPAWARSYSCOM	Space and Naval Warfare Systems Command
SPC	Storm Prediction Center (NOAA/NCEP)
SR	Savannah River (DOE)
SRBL	Solar Radio Burst Locator (AF)
SRS	Savannah River Site (DOE)
SRTC	Savannah River Technology Center (DOE)
SST	Sea surface temperature
SSU	Stratospheric Sounding Unit (NOAA)
STIWG	Satellite Telemetry Interagency Working Group (OFCM)
STOA	Shock Time of Arrival (AF)
STP	Solar-Terrestrial Physics
STT	Small Tactical Terminal (AF)
SURFRAD	Surface Radiation (DOE)
SWAFS	Space Weather Analysis and Forecasting System (AF)
SWE	Snow Water Equivalent (DOI/BUREC)
SWIM	Solar Wind Interplanetary Measurements (AF)
SWO	Staff weather officer (AF)
SWXS	Space Weather Squadron (AF)
SXI	Solar X-Ray Imager (AF)
T2	Technology transfer
TAF	Aerodrome Forecast
TAO	Tropical Atmosphere Ocean
TACMET-MOD	Tactical Meteorological Observing System Modification (AF)
TACWX	Tactical weather (DOD)
TAWS	Tactical Acquisition Weather Software (AF)
TDA	Tactical Decision Aid (Army)
TDWR	Terminal Doppler Weather Radar (FAA)
TEA-21	Transportation Equity Act for the 21st Century (FHWA)
TEC	Topographic Engineering Center (Army)
TED	Total Electron Detector (NOAA/NESDIS)
TESS	Tactical Environmental Support System (Navy)
TF	Terminal Forecast
TFF	Task Force Falcon (Army)
TFS	Tactical Forecast System (AF)
TFU	Theater Forecast Unit (AF)
TIROS	Television Infrared Observation Satellite (NOAA/NESDIS)
TMI	TRMM Microwave Imager (NASA)
TOC	Tactical Operations Center (Army)
TOE	Table of Organization and Equipment (Army)
TOFS	Tactical Observing and Forecasting System (AF)
TOGA	Tropical Ocean and Global Atmosphere
TOMS	Total Ozone Mapping Spectrometer (NASA)
TOVS	TIROS N Operational Vertical Sounder (NOAA/NESDIS)
TPC	Tropical Prediction Center (NOAA/NCEP)

TPW	Total Precipitable Water (NOAA/NESDIS)
TRACON	Terminal Radar Approach Control (FAA)
TRADOC	Training and Doctrine Command (Army)
TRMM	Tropical Rainfall Measuring Mission (NASA)
TUAN	Tactical Unmanned Aerial Vehicle (Army)
TWIP	Terminal Weather Information for Pilots (FAA)
TWP	Tropical Western Pacific (DOE)
TWR	Tactical Weather Radar (AF)
UARS	Upper Atmosphere Research Satellite (NASA)
UCAR	University Corporation for Atmospheric Research
UN	United Nations
UNEP	United Nations Environment Program (WWP/DOS)
USA	U.S. Army
USAES	U.S. Army Engineer School
USAF	U.S. Air Force
USAFAS	U.S. Army Field Artillery School
USAIC&FH	U.S. Army Intelligence Center & Fort Huachuca
USAKA	U.S. Army Kwajalein Atoll
USAR	U.S. Army Reserve
USAREUR	U.S. Army Europe
USARIEM	U.S. Army Research Institute of Environmental Medicine
USARPAC	U.S. Army Pacific
USASMD	U.S. Army Space and Missile Defense Command
USASOC	U.S. Army Special Operations Command
USCG	U.S. Coast Guard
USDA	U.S. Department of Agriculture
USGCRP	U.S. Global Change Research Program
USGS	U.S. Geological Survey
USHCN	U.S. Historical Climatology Network
USIABP	U.S. Interagency Arctic Buoy Program (NOAA/NESDIS)
USMC	U.S. Marine Corps
USMCC	U.S. SARSAT Mission Control Center (NOAA/NESDIS)
USN	U.S. Navy
USWRP	U.S. Weather Research Program
UTC	Universal Time Coordinated (Zulu)
UV	Ultra-violet
VA	Volcanic Ash
VAS	VISSR Atmospheric Sounder
VCL	Vegetation Canopy LIDAR (NASA)
VCP	Voluntary Cooperation Program
VIN	Vegetative Index Number (USDA)
VIRS	Visible and Infrared Scanner (NASA)
VISSR	Visible and Infrared Spin Scan Radiometer
VOS	Voluntary Observing Ship (WWP)
VT	Vessel Traffic System (NOAA/NOS)
WAF	World Area Forecast Center (WWP)
WAFS	World Area Forecast System (WWP)
WAM	Wave model (Navy)
WAMPS	Weather Automated Mission Planning Software
WAOB	World Agricultural Outlook Board (USDA)
WARP	Weather and Radar Processor (FAA)
WETM	Weather Team (DOD)
WFAS	Wildland Fire Assessment System (DOI)
WFMIS	Wildland Fire Management Information Site (DOI)
WFO	Weather Forecast Office (NOAA/NWS)
WG	Working Group

WGCV	Working Group on Calibration and Validation (NOAA/NESDIS)
WIDA	Weather Impact Decision Aids (AF)
WINDS	Weather Information and Display System (DOE)
WIPP	Waste Isolation Pilot Plant (DOE)
WIST	Weather Information for Surface Transportation (FHWA)
WMC	World Meteorological Center(s) (WWP)
WMO	World Meteorological Organization
WMSCR	Weather Message Switching Center-Replacement (FAA)
WOCE	World Ocean Circulation Experiment
WPDN	Wind Profile Demonstration Network (NOAA)
WRD	Water Resources Division (DOI/USGS)
WRF	Weather Research and Forecast (NOAA/OAR)
WSP	Weather Systems Processor (FAA)
WSR-88D	Weather Surveillance Radar-1988 Doppler (NEXRAD)
WSSRAP	Weldon Springs Site Remedial Action Project (DOE)
WST	Weather Support Team (Army)
WSU	Weather Support Unit (AF)
WTU	Weather Technology Unit (AF)
WWP	World Weather Program
WWW	World Weather Watch (WMO)
	World wide web
 XOW	 Director of Weather (AF)